

**THE ATTACHED IS A GENERAL GUIDE TO DETERMINE THE COST OF A
MANHOUR OF ELECTRICAL LABOUR FOR PRICING CHANGE ORDERS, OR
ADDITIONAL WORK ORDERS ON FIXED PRICE CONTRACTS.**

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directive.**

**CHANGE ORDER COST GUIDELINE
ECA OTTAWA**

Item 1 - Base Rate

As per collective agreement \$36.02

Item 2 - Vacation and Statutory Holiday Pay

As per collective agreement \$ 3.60 \$39.62

Item 3 - Union Deductions

As per collective agreement

- Health and Welfare \$ 2.94
- RST on H&W \$ 0.18
- Pension \$ 6.63
- Union Funds \$ 2.86
- ECA Funds \$ 0.26
- Secretariat \$ 0.01 \$12.88

Item 4 - Legislated Payroll Burden

- Employer Health Tax
1.95% of \$39.62 \$ 0.77
- Employment Insurance
2.42% of \$39.62 \$ 0.96
- Workplace Safety & Insurance Board
3.25% of \$39.62 \$ 1.29
- Canada Pension Plan
4.95% of \$39.62 \$ 1.96 \$ 4.98

Item 5 - Rest Periods

- 15 minutes every 4 hours over and above
minimum break at work station \$5.77 Lost productivity
minutes
30
 - 15 X 2 X \$57.49
-
- 299

Item 6 - Other Burden

•	Expendable Small Tools - Based on a survey of ECA members 8% of \$39.62	\$ 3.17		
•	Insurance - Based on a survey of ECA members 2.5% of labour costs \$57.49	\$ 1.44		
•	Electrical clean-up 15 minutes per day <u>15 minutes X 57.49</u>	\$ 2.88		15
	299			
•	Finance - interest charges over and above traditional rates 1% of \$57.49	\$ 0.57		
•	Site Facilities - trailer/lunchroom services, communication equipment <u>\$1200 X 12</u> 18,000	\$ 0.80		
•	On-site time-keeping/scheduling - Based on a survey of ECA members <u>13 minutes X \$57.49</u>			
	299	\$ 2.50		13
•	Excessive material handling - Based on a survey of ECA members <u>23 minutes X \$57.49</u>	\$ 4.42		23
	299			
•	Personal hygiene - 1/4 hour per day per worker <u>15 minutes X 57.49</u>	<u>\$2.88</u>	\$18.66	15.
	299			

Item 7 - Safety

•	Safety training - 5 hours @ \$500.00 50 weeks @ 36.hrs = 1800	\$ 0.28		
•	Jobsite safety talks - 1 hr. per week <u>12 minutes x \$57.49</u>			
	299	\$ 2.30		12
•	WHMIS Information 1/4 hour per week <u>03 minutes X \$ 57.49</u>			
	299	\$ 0.58		03
•	Health & Safety Committee - one worker in five be appointed to committee - 3 hrs. per wk. <u>07 minutes X \$57.49</u>			
	299	\$ 1.35		07
•	Personal protection equipment - glasses, vests, fall protection, hearing, etc. <u>\$75.00 per month X 12</u>			
	1800	\$ 0.50		

• Escalating site safety procedures			
	<u>15 minutes X \$57.49</u>		
	299	<u>\$ 2.88</u>	\$ 7.89
			<u>15</u>
			133

Total lost productivity minutes
 7.2 hours per day X 60 minutes = 432 - 133 = 299
 daily productivity minutes per worker

Item 8 - Parking

As per the Collective Agreement \$10.00 per day
 of 7.2 hours \$ 1.39

Item 9 - Clean-Up

In accordance with the Ottawa Construction Association
 recommended standard practice \$0.59. \$ 0.59

SUMMARY

Items

1. Base Rate	\$36.02
2. Vacation Pay and Statutory Holidays	\$ 3.60
3. Union Deductions	\$12.88
4. Legislative Payroll Burden	\$ 4.98
5. Rest Periods	\$ 5.77
6. Other Burden	\$18.66
7. Safety	\$ 7.89
8. Parking	\$ 1.39
9. Clean-up	<u>\$ 0.59</u>
	\$91.78

PLUS: Site Foreman

Site Foreman costs varies from project to project and therefore must be priced as a separate item.

PLUS: Job Expenses

Equipment, cartage and freight, permits, estimating, drafting, auto cad, as build, commissioning, temporary services, clerk, project manager, disposal, inspection, travel

PLUS:Overhead and profit*

20% for work of own force

15% for work of subcontractor

- * As per CCA 16 - Guidelines for Determining the Costs Associated for Performing Changes in the Work

PLUS: Impact/Productivity Costs

Impact costs are those generated by changes in the work order over and above the costs of the changes that affect the productivity of the rest of the project. Impact costs may arise out of each change or through the cumulative impact of charges.

ECA Ottawa recommends the use of the Labour Adjustment Chart as contained in the NECA Manual of Labour Units (See Appendix A).